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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Paul S. Danielson et al.

Attorney Docket: SP03-091

Serial No: 10/629,444

Examiner: Melanie J. Yu

Filed: 07/29/2003

Group Art Unit: 1641

For: POURIOUS GLASS  
SUBSTRATES WITH  
REDUCED AUTO-  
FLORESCENCE

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Transmitted herewith is an amendment in the above-identified application:

<input type="checkbox"/>	No additional fee is required.					
<input checked="" type="checkbox"/>	The fee has been calculated as shown below:					
	(Col. 1)		(Col. 2)	(Col. 3)	OTHER THAN A SMALL ENTITY	
	CLAIMS REMAINING AFTER AMENDMENT		* HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE
TOTAL	27	MINUS	26	1	1 X 50	\$50.00
INDEP	2	MINUS	2	0	X 200	\$0.00
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				+ 360	\$0.00
					<b>TOTAL</b>	<b>\$50.00</b>

\* The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box in Col. 1 of a prior amendment or the number of claims originally filed.

☒ The Assistant Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Corning Incorporated Deposit Account No. 03-3325.

☒ Any additional filing fees required under 37 CFR 1.16.

☒ Any patent application processing fees under 37 CFR 1.17.

(For Extensions of Time and other Petitions to the Assistant Commissioner)

DATE: 11/6/2006

Respectfully submitted,

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on 11-6-06  
(Date)

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No. : 10/629,444  
Applicant : Paul S. Danielson et al.  
Filed : 07/29/2003  
Title : POUROUS GLASS SUBSTRATES WITH REDUCED AUTO-FLORESCENCE

TC/A.U. : 1641  
Examiner : Melanie J. Yu

Docket No. : SP03-091

Mail Stop: Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING (37 CFR 1.8a)**

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*Lindsay J. Casbeer*  
Lindsay J. Casbeer

**AMENDMENT**

**Interview Summary**

Madame:

A telephone interview between the Examiner, Supervisory Examiner and the undersigned agent for the Applicant took place on October 24, 2006, concerning the above-captioned application. Independent claims 1 and 18 were discussed with respect to the Examiner's rejection of claims 1 and 18 under 35 U.S.C. § 103 as being unpatentable for obviousness over Pantano et al. (US 2003/0054176) in view of Agrawal et al. (US 2003/0148401) in the Office Action dated July 20, 2006.

Applicant proposed amending claims 1 and 18 as follows:

"1. A porous substrate comprising: a support; and an inorganic porous region on a surface of said support, the inorganic porous region having a surface capable of immobilizing probe molecules, the inorganic porous region having a tint and ~~exhibits~~ exhibiting a reduced level of auto-fluorescence of at least about 15%

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relative to a comparable non-tinted porous substrate surface, wherein said tint comprises ~~at least one of~~  $\text{Co}_3\text{O}_4$  ~~or~~ and  $\text{NiO}$ , ~~alone or in combination.~~”

“18. A tool for performing biological or chemical assays, the tool comprises a non-porous support; and an inorganic porous region on a surface of said support, the inorganic porous region having a surface capable of immobilizing probe molecules, the inorganic porous region having a tint and ~~exhibits~~ exhibiting a reduced level of auto-fluorescence of at least about 15% relative to a comparable non-tinted porous substrate surface, wherein said tint comprises ~~at least one of~~  $\text{Co}_3\text{O}_4$  ~~or~~ and  $\text{NiO}$ , ~~alone or in combination.~~”

Both claims 1 and 18 and claims depending therefrom now require both  $\text{Co}_3\text{O}_4$  and  $\text{NiO}$  in the tint. Support for the amendment is shown in paragraph [0041] and in Table 2, examples 1-7. The Examiner and Supervisory Examiner indicated that claims 1 and 18 amended as such would be allowable over Pantano in view of Agrawal since Agrawal requires only one oxide and does not disclose using  $\text{Co}_3\text{O}_4$ .

As such, in response to the Office Action of July 20, 2006 and the Telephone Interview dated October 24, 2006, please amend the above-identified as follows:

**Amendments to the Specification** begin on page 3 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 4 of this paper.

**Remarks/Arguments** begin on page 10 of this paper.